

## EAST Search History

| Ref # | Hits | Search Query  | DBs                             | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---------------------------------|------------------|---------|------------------|
| S18 4 | 12   | "3717724"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2006/11/07 06:31 |
| S18 3 | 38   | 348/274.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2006/11/07 06:31 |
| S18 2 | 20   | "6,137,100"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2006/11/07 06:31 |
| S18 1 | 10   | pixel same cymg   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2006/11/07 06:31 |
| S18 0 | 204  | "5461425"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2006/11/07 06:31 |
| S17 9 | 824  | digital adj pixel and conversion<br>same pixel          | US-PGPUB;<br>USPAT;<br>USOCR    | OR               | OFF     | 2006/11/07 06:31 |
| S17 8 | 0    | digital adj pixel and conversion adj<br>inside          | US-PGPUB;<br>USPAT;<br>USOCR    | OR               | OFF     | 2006/11/07 06:31 |
| S17 7 | 2498 | digital adj pixel                                       | US-PGPUB;<br>USPAT;<br>USOCR    | OR               | OFF     | 2006/11/07 06:31 |
| S17 6 | 512  | "5471515"   | US-PGPUB;<br>USPAT;<br>USOCR    | OR               | OFF     | 2006/11/07 06:31 |
| S17 5 | 1    | "5471515".pn.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR               | OFF     | 2006/11/07 06:31 |
| S17 4 | 51   | fossum and digital adj pixel                            | US-PGPUB;<br>USPAT;<br>USOCR    | OR               | OFF     | 2006/11/07 06:31 |
| S17 3 | 58   | rotary same cyan same magenta<br>same green same yellow | US-PGPUB;<br>USPAT;<br>USOCR    | OR               | OFF     | 2006/11/07 06:31 |
| S17 2 | 1    | "5,703,641".pn. and mg                                  | US-PGPUB;<br>USPAT;<br>USOCR    | OR               | OFF     | 2006/11/07 06:31 |
| S17 1 | 0    | "5,703,641".pn. and m                                   | US-PGPUB;<br>USPAT;<br>USOCR    | OR               | OFF     | 2006/11/07 06:31 |
| S17 0 | 1    | "5,703,641".pn. and magenta                             | US-PGPUB;<br>USPAT;<br>USOCR    | OR               | OFF     | 2006/11/07 06:31 |

## EAST Search History

|          |     |   |                                 |    |     |                  |
|----------|-----|---|---------------------------------|----|-----|------------------|
| S16<br>9 | 1   | "5,703,641".pn. and cyan  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/07 06:31 |
| S16<br>8 | 3   | "5,703,641" and cyan  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/07 06:31 |
| S16<br>7 | 5   | "5703641"   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/07 06:31 |
| S16<br>6 | 18  | ("3580978"   "3744423"  <br>"4190856"   "5306913"  <br>"5319214"   "5568186"  <br>"5600148"   "5883681"  <br>"5949081"   "5956180"  <br>"5973383"   "6210494"  <br>"6297511"   "6316777"  <br>"6751005"   "6778257"  <br>"6906762"   "RE37146").PN. | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/07 06:31 |
| S16<br>5 | 94  | array and pixel\$1 and (filter adj<br>cell\$1)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S16<br>4 | 9   | ("3746785" "4922333" "5103300"<br> "5233416" "5369433" "5612736"<br> "5642197" "6057909" "6437925"<br>).PN.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/07 06:31 |
| S16<br>3 | 2   | "4916528"   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/07 06:31 |
| S16<br>2 | 1   | ("5929432").PN.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/07 06:31 |
| S16<br>1 | 3   | ("6211521").URPN.   | USPAT                           | OR | OFF | 2006/11/07 06:31 |
| S16<br>0 | 3   | ("6211521").URPN.   | USPAT                           | OR | OFF | 2006/11/07 06:31 |
| S15<br>9 | 30  | pixel\$1 same (composite adj<br>filter\$1)  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/07 06:31 |
| S15<br>8 | 63  | pixel same (first adj filter) same<br>(second adj filter) and (a/d<br>analog)   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/07 06:31 |
| S15<br>7 | 174 | pixel same (first adj filter) same<br>(second adj filter)   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/07 06:31 |
| S15<br>6 | 11  | (color adj mixing) and fowler   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/07 06:31 |

## EAST Search History

|          |     |   |                              |    |     |                  |
|----------|-----|---|------------------------------|----|-----|------------------|
| S15<br>5 | 0   | (color adj mixing) and "5461425"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/11/07 06:31 |
| S15<br>4 | 3   | (color adj mixing) and "5965875"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/11/07 06:31 |
| S15<br>3 | 0   | (color adj mixing) same "5965875"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/11/07 06:31 |
| S15<br>2 | 66  | (color adj mixing) same pixel\$1<br>and (cyan same green same<br>magenta) and digital   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/11/07 06:31 |
| S15<br>1 | 24  | (color adj mixing) and (digital adj<br>pixel)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/11/07 06:31 |
| S15<br>0 | 0   | (color adj mixing) same digital adj<br>pixel  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/11/07 06:31 |
| S14<br>9 | 108 | (color adj mixing) same filter same<br>pixel  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/11/07 06:31 |
| S14<br>8 | 0   | (color adj mixing) same filter and<br>digital adj pixel   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/11/07 06:31 |
| S14<br>7 | 478 | (color adj mixing) same filter and<br>pixel   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/11/07 06:31 |
| S14<br>6 | 4   | ("5705806"   "5734424"  <br>"5754229"   "6005616").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/11/07 06:31 |
| S14<br>5 | 27  | ("2738377"   "3604839"  <br>"3969763"   "3971065"  <br>"4067043"   "4404585"  <br>"4415923"   "4605956"  <br>"4670777"   "4745458"  <br>"4786964"   "4851899"  <br>"4967264"   "5084761"  <br>"5442394"   "5512956"  <br>"5548333"   "5631703"  <br>"5748236"   "5751384"  <br>"5754229"   "5767899"  <br>"5798948"   "6005616"  <br>"6208393"   "6504573").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/11/07 06:31 |
| S14<br>4 | 0   | ("6690422").URPN.   | USPAT                        | OR | OFF | 2006/11/07 06:31 |

## EAST Search History

|          |     |   |                           |    |     |                  |
|----------|-----|---|---------------------------|----|-----|------------------|
| S14<br>3 | 11  | ("3971065"   "4011016"   "4309604"   "4613895"   "4651001"   "4677289"   "4772335"   "5397734"   "5502299"   "5668596"   "5739562").PN.   | US-PGPUB; USPAT; USOCR    | OR | OFF | 2006/11/07 06:31 |
| S14<br>2 | 1   | "5965875".pn.   | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S14<br>1 | 133 | "5965875"   | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S14<br>0 | 7   | "5998806"   | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S13<br>9 | 138 | 348/270.ccls.   | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S13<br>8 | 27  | 348/268.ccls.   | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S13<br>7 | 0   | "3717724" and foveon  | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S13<br>6 | 24  | inter\$1lac\$3 and (digital adj pixel\$1) and magenta   | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S13<br>5 | 287 | inter\$1lac\$3 and (digital adj pixel\$1)   | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S13<br>4 | 3   | (S113 S114 S115 S116 S117 S118 S119) and inter\$1lac\$3 and (digital adj pixel\$1)  | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S13<br>3 | 2   | (S113 S114 S115 S116 S117 S118 S119) and ((add adding adds added)(sum sums summing summed)) and inter\$1lac\$3 and (digital adj pixel\$1) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S13<br>2 | 21  | (S113 S114 S115 S116 S117 S118 S119) and ((add adding adds added)(sum sums summing summed)) and inter\$1lac\$3 and cyan                   | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S13<br>1 | 0   | (S113 S114 S115 S116 S117 S118 S119) and ((add adding adds added)(sum sums summing summed)) and inter\$1lac\$3 and cmyg                   | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/07 06:31 |

## EAST Search History

|          |     |   |                                 |    |     |                  |
|----------|-----|---|---------------------------------|----|-----|------------------|
| S13<br>0 | 20  | (S113 S114 S115 S116 S117 S118 S119) and ((add adding adds added)(sum sums summing summed)) and inter\$1lac\$3 and cyan and magenta | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S12<br>9 | 58  | (S113 S114 S115 S116 S117 S118 S119) and ((add adding adds added)(sum sums summing summed)) and array and cyan and magenta          | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S12<br>8 | 256 | (S113 S114 S115 S116 S117 S118 S119) and ((add adding adds added)(sum sums summing summed)) and array                               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S12<br>7 | 459 | (S113 S114 S115 S116 S117 S118 S119) and ((add adding adds added)(sum sums summing summed))   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S12<br>6 | 43  | pixel\$1 same transmissive adj filter\$1  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S12<br>5 | 4   | ((ben benjamin) near2 olding).in. (Michael near2 frank).in.) and array and filter\$1  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S12<br>4 | 32  | ((ben benjamin) near2 olding).in. (Michael near2 frank).in.) and array  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S12<br>3 | 4   | ((ben benjamin) near2 olding).in. (Michael near2 frank).in.) and pixim.as.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S12<br>2 | 0   | ((ben benjamin) near2 olding).in. and (Michael near2 frank).in.)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S12<br>1 | 813 | ((ben benjamin) near2 olding).in. (Michael near2 frank).in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S12<br>0 | 0   | 10/058638   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S11<br>7 | 138 | 348/270.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S11<br>6 | 50  | 348/269.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S11<br>5 | 27  | 348/268.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |

## EAST Search History

|          |     |  |                                 |    |     |                  |
|----------|-----|--|---------------------------------|----|-----|------------------|
| S11<br>4 | 244 | 348/218.1.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S11<br>3 | 102 | 348/219.1.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S11<br>2 | 7   | (filter\$3 near2 (sum sums<br>summing)) and "348"/\$6.ccls. and<br>interlac\$4 and green and cyan          | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S11<br>0 | 21  | (filter\$3 near2 (sum sums<br>summing)) and "348"/\$6.ccls. and<br>green and cyan                          | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S10<br>9 | 1   | (filter\$3 near2 (sum sums<br>summing)) and "348"/\$6.ccls. and<br>green and cyan and digital adj<br>pixel | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S10<br>8 | 415 | (filter\$3 near2 (sum sums<br>summing)) and "348"/\$6.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S10<br>7 | 1   | (optical adj (sum sums summing))<br>and "348"/\$6.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S10<br>6 | 90  | (optical adj (sum sums summing))   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S10<br>5 | 0   | (optical adj (sum sums summing))<br>and pixim.as.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S10<br>4 | 1   | "5461425".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S10<br>3 | 20  | 09/567638  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S10<br>2 | 90  | (optical adj (sum sums summing))   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S10<br>1 | 43  | pixel\$1 same transmissive adj<br>filter\$1  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S10<br>0 | 4   | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.) and<br>array and filter\$1                 | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S99      | 32  | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.) and<br>array                               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |

## EAST Search History

|          |     |  |                                 |    |     |                  |
|----------|-----|--|---------------------------------|----|-----|------------------|
| S98      | 4   | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.) and<br>pixim.as. | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S97      | 0   | ((ben benjamin) near2 olding).in.<br>and (Michael near2 frank).in.)              | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S96      | 813 | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.)                  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S95      | 0   | 10/058638  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:31 |
| S18<br>6 | 308 | 348/272.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:41 |
| S18<br>5 | 244 | 348/218.1.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:41 |
| S11<br>9 | 308 | 348/272.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:41 |
| S21      | 227 | 348/218.1.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:41 |
| S19<br>0 | 50  | 348/277.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:42 |
| S18<br>8 | 362 | 348/273.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:42 |
| S18<br>7 | 21  | 348/271.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 06:42 |
| S18<br>9 | 38  | 348/274.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 07:54 |
| S19<br>2 | 32  | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.) and<br>array     | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 08:11 |
| S19<br>1 | 813 | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.)                  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 08:11 |
| S6       | 30  | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.) and<br>array     | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 08:11 |

## EAST Search History

|          |      |  |                                 |    |     |                  |
|----------|------|--|---------------------------------|----|-----|------------------|
| S19<br>4 | 90   | (optical adj (sum sums summing))   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 08:12 |
| S19<br>3 | 478  | (color adj mixing) same filter and pixel                                 | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/07 08:12 |
| S56      | 464  | (color adj mixing) same filter and pixel                                 | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/07 08:12 |
| S13      | 88   | (optical adj (sum sums summing))   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 08:12 |
| S11<br>1 | 119  | (filter\$3 near2 (sum sums summing)) and "348"/\$6.ccls. and interlac\$4 | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/07 08:13 |
| S19<br>6 | 0    | 10/058638 and registration   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/13 12:14 |
| S1       | 0    | 10/058638  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/13 12:14 |
| S19<br>8 | 1536 | composite adj filter   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/13 14:12 |
| S19<br>7 | 119  | (filter\$3 near2 (sum sums summing)) and "348"/\$6.ccls. and interlac\$4 | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/13 14:12 |
| S20<br>0 | 64   | composite adj filter same sum\$4   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/13 14:13 |
| S19<br>9 | 1087 | composite adj filter and sum\$4  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/13 14:13 |
| S20<br>2 | 8    | "348"/\$6.ccls. and composite adj filter same pixel\$1                   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 08:18 |
| S20<br>3 | 7    | diffusion adj light same filters same pixel\$1                           | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 08:21 |
| S20<br>5 | 1    | "5461425".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 12:34 |
| S20<br>4 | 8    | refract\$4 adj light same filters same pixel\$1                          | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 12:34 |

## EAST Search History

|          |     |  |                                 |    |     |                  |
|----------|-----|--|---------------------------------|----|-----|------------------|
| S20<br>6 | 1   | composite adj filter same cyan and pixel\$1                              | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 13:02 |
| S20<br>1 | 12  | composite adj filter same sum\$4 and pixel\$1                            | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 13:02 |
| S38<br>6 | 825 | digital adj pixel and conversion same pixel                              | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S38<br>5 | 309 | 348/272.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S38<br>4 | 204 | "5461425"  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S38<br>3 | 108 | (color adj mixing) same filter same pixel                                | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S38<br>2 | 138 | 348/270.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S38<br>1 | 120 | (filter\$3 near2 (sum sums summing)) and "348"/\$6.ccls. and interlac\$4 | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S38<br>0 | 12  | "3717724"  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S37<br>9 | 38  | 348/274.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S37<br>8 | 20  | "6,137,100"  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S37<br>7 | 10  | pixel same cymg  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S37<br>6 | 51  | fossum and digital adj pixel   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S37<br>5 | 58  | rotary same cyan same magenta same green same yellow                     | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S37<br>4 | 5   | "5703641"  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |

## EAST Search History

|          |    |   |                                 |    |     |                  |
|----------|----|---|---------------------------------|----|-----|------------------|
| S37<br>3 | 18 | ("3580978"   "3744423"   "4190856"   "5306913"   "5319214"   "5568186"   "5600148"   "5883681"   "5949081"   "5956180"   "5973383"   "6210494"   "6297511"   "6316777"   "6751005"   "6778257"   "6906762"   "RE37146").PN. | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S37<br>2 | 94 | array and pixel\$1 and (filter adj cell\$1)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S37<br>1 | 9  | ("3746785" "4922333" "5103300" "5233416" "5369433" "5612736" "5642197" "6057909" "6437925").PN.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S37<br>0 | 2  | "4916528"   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S36<br>9 | 3  | ("6211521").URPN.   | USPAT                           | OR | OFF | 2006/11/14 14:13 |
| S36<br>8 | 3  | ("6211521").URPN.   | USPAT                           | OR | OFF | 2006/11/14 14:13 |
| S36<br>7 | 30 | pixel\$1 same (composite adj filter\$1)   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S36<br>6 | 63 | pixel same (first adj filter) same (second adj filter) and (a/d analog)   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S36<br>5 | 11 | (color adj mixing) and fowler   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S36<br>4 | 3  | (color adj mixing) and "5965875"  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S36<br>3 | 66 | (color adj mixing) same pixel\$1 and (cyan same green same magenta) and digital   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S36<br>2 | 24 | (color adj mixing) and (digital adj pixel)  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S36<br>1 | 4  | ("5705806"   "5734424"   "5754229"   "6005616").PN.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |

## EAST Search History

|          |    |   |                                 |    |     |                  |
|----------|----|---|---------------------------------|----|-----|------------------|
| S36<br>0 | 27 | ("2738377"   "3604839"   "3969763"   "3971065"   "4067043"   "4404585"   "4415923"   "4605956"   "4670777"   "4745458"   "4786964"   "4851899"   "4967264"   "5084761"   "5442394"   "5512956"   "5548333"   "5631703"   "5748236"   "5751384"   "5754229"   "5767899"   "5798948"   "6005616"   "6208393"   "6504573").PN. | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S35<br>9 | 11 | ("3971065"   "4011016"   "4309604"   "4613895"   "4651001"   "4677289"   "4772335"   "5397734"   "5502299"   "5668596"   "5739562").PN.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S35<br>8 | 7  | "5998806"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S35<br>7 | 27 | 348/268.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S35<br>6 | 24 | inter\$1lac\$3 and (digital adj pixel\$1) and magenta   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S35<br>5 | 3  | (S303 S304 S305 S306 S307 S308 S312) and inter\$1lac\$3 and (digital adj pixel\$1)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S35<br>4 | 2  | (S303 S304 S305 S306 S307 S308 S312) and ((add adding adds added)(sum sums summing summed)) and inter\$1lac\$3 and (digital adj pixel\$1)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S35<br>3 | 21 | (S303 S304 S305 S306 S307 S308 S312) and ((add adding adds added)(sum sums summing summed)) and inter\$1lac\$3 and cyan   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S35<br>2 | 58 | (S303 S304 S305 S306 S307 S308 S312) and ((add adding adds added)(sum sums summing summed)) and array and cyan and magenta  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S35<br>1 | 43 | pixel\$1 same transmissive adj filter\$1  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |

## EAST Search History

|          |    |   |                                 |    |     |                  |
|----------|----|---|---------------------------------|----|-----|------------------|
| S35<br>0 | 4  | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.) and<br>array and filter\$1        | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S34<br>9 | 32 | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.) and<br>array                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S34<br>8 | 4  | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.) and<br>pixim.as.                  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S34<br>7 | 7  | (filter\$3 near2 (sum sums<br>summing)) and "348"/\$6.ccls. and<br>interlac\$4 and green and cyan | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S34<br>6 | 90 | (optical adj (sum sums summing))  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S34<br>5 | 20 | 09/567638   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S34<br>4 | 43 | pixel\$1 same transmissive adj<br>filter\$1   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S34<br>3 | 4  | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.) and<br>array and filter\$1        | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S34<br>2 | 32 | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.) and<br>array                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S34<br>1 | 4  | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.) and<br>pixim.as.                  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S34<br>0 | 1  | "5471515".pn.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S33<br>9 | 1  | "5,703,641".pn. and mg  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S33<br>8 | 1  | "5,703,641".pn. and magenta   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S33<br>7 | 1  | ("5929432").PN.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S33<br>6 | 1  | "5965875".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |

## EAST Search History

|          |      |   |                           |    |     |                  |
|----------|------|---|---------------------------|----|-----|------------------|
| S33<br>5 | 1    | (filter\$3 near2 (sum sums summing)) and "348"/\$6.ccls. and green and cyan and digital adj pixel | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S33<br>4 | 1    | (optical adj (sum sums summing)) and "348"/\$6.ccls.  | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S33<br>3 | 1    | "5461425".pn.   | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S33<br>2 | 0    | digital adj pixel and conversion adj inside   | US-PGPUB; USPAT; USOCR    | OR | OFF | 2006/11/14 14:13 |
| S33<br>1 | 2503 | digital adj pixel   | US-PGPUB; USPAT; USOCR    | OR | OFF | 2006/11/14 14:13 |
| S33<br>0 | 513  | "5471515"   | US-PGPUB; USPAT; USOCR    | OR | OFF | 2006/11/14 14:13 |
| S32<br>9 | 0    | "5,703,641".pn. and m   | US-PGPUB; USPAT; USOCR    | OR | OFF | 2006/11/14 14:13 |
| S32<br>8 | 1    | "5,703,641".pn. and cyan  | US-PGPUB; USPAT; USOCR    | OR | OFF | 2006/11/14 14:13 |
| S32<br>7 | 3    | "5,703,641" and cyan  | US-PGPUB; USPAT; USOCR    | OR | OFF | 2006/11/14 14:13 |
| S32<br>6 | 174  | pixel same (first adj filter) same (second adj filter)  | US-PGPUB; USPAT; USOCR    | OR | OFF | 2006/11/14 14:13 |
| S32<br>5 | 0    | (color adj mixing) and "5461425"  | US-PGPUB; USPAT; USOCR    | OR | OFF | 2006/11/14 14:13 |
| S32<br>4 | 0    | (color adj mixing) same "5965875"   | US-PGPUB; USPAT; USOCR    | OR | OFF | 2006/11/14 14:13 |
| S32<br>3 | 0    | (color adj mixing) same digital adj pixel   | US-PGPUB; USPAT; USOCR    | OR | OFF | 2006/11/14 14:13 |
| S32<br>2 | 0    | (color adj mixing) same filter and digital adj pixel  | US-PGPUB; USPAT; USOCR    | OR | OFF | 2006/11/14 14:13 |
| S32<br>1 | 478  | (color adj mixing) same filter and pixel  | US-PGPUB; USPAT; USOCR    | OR | OFF | 2006/11/14 14:13 |

## EAST Search History

|          |     |   |                                 |    |     |                  |
|----------|-----|---|---------------------------------|----|-----|------------------|
| S32<br>0 | 0   | ("6690422").URPN.   | USPAT                           | OR | OFF | 2006/11/14 14:13 |
| S31<br>9 | 134 | "5965875"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S31<br>8 | 0   | "3717724" and foveon  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S31<br>7 | 287 | inter\$1lac\$3 and (digital adj<br>pixel\$1)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S31<br>6 | 0   | (S303 S304 S305 S306 S307 S308<br>S312) and ((add adding adds<br>added)(sum sums summing<br>summed)) and inter\$1lac\$3 and<br>cmyg             | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S31<br>5 | 20  | (S303 S304 S305 S306 S307 S308<br>S312) and ((add adding adds<br>added)(sum sums summing<br>summed)) and inter\$1lac\$3 and<br>cyan and magenta | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S31<br>4 | 258 | (S303 S304 S305 S306 S307 S308<br>S312) and ((add adding adds<br>added)(sum sums summing<br>summed)) and array                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S31<br>3 | 462 | (S303 S304 S305 S306 S307 S308<br>S312) and ((add adding adds<br>added)(sum sums summing<br>summed))  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S31<br>2 | 309 | 348/272.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S31<br>1 | 0   | ((ben benjamin) near2 olding).in.<br>and (Michael near2 frank).in.)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S31<br>0 | 814 | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S30<br>9 | 0   | 10/058638   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S30<br>8 | 21  | 348/271.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S30<br>7 | 138 | 348/270.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |

## EAST Search History

|          |     |   |                                 |    |     |                  |
|----------|-----|---|---------------------------------|----|-----|------------------|
| S30<br>6 | 50  | 348/269.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S30<br>5 | 27  | 348/268.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S30<br>4 | 246 | 348/218.1.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S30<br>3 | 102 | 348/219.1.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S30<br>2 | 21  | (filter\$3 near2 (sum sums<br>summing)) and "348"/\$6.ccls. and<br>green and cyan | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S30<br>1 | 416 | (filter\$3 near2 (sum sums<br>summing)) and "348"/\$6.ccls.                       | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S30<br>0 | 0   | (optical adj (sum sums summing))<br>and pixim.as.                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S29<br>9 | 90  | (optical adj (sum sums summing))  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S29<br>8 | 0   | ((ben benjamin) near2 olding).in.<br>and (Michael near2 frank).in.)               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S29<br>7 | 814 | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.)                   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S29<br>6 | 0   | 10/058638   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S29<br>5 | 12  | "3717724"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S29<br>4 | 38  | 348/274.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S29<br>3 | 20  | "6,137,100"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S29<br>2 | 10  | pixel same cymg   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |

## EAST Search History

|          |      |   |                                 |    |     |                  |
|----------|------|---|---------------------------------|----|-----|------------------|
| S29<br>1 | 204  | "5461425"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S29<br>0 | 825  | digital adj pixel and conversion<br>same pixel          | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S28<br>9 | 0    | digital adj pixel and conversion adj<br>inside          | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S28<br>8 | 2503 | digital adj pixel                                       | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S28<br>7 | 513  | "5471515"   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S28<br>6 | 1    | "5471515".pn.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S28<br>5 | 51   | fossum and digital adj pixel                            | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S28<br>4 | 58   | rotary same cyan same magenta<br>same green same yellow | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S28<br>3 | 1    | "5,703,641".pn. and mg                                  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S28<br>2 | 0    | "5,703,641".pn. and m                                   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S28<br>1 | 1    | "5,703,641".pn. and magenta                             | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S28<br>0 | 1    | "5,703,641".pn. and cyan                                | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S27<br>9 | 3    | "5,703,641" and cyan                                    | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S27<br>8 | 5    | "5703641"   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |

## EAST Search History

|          |     |   |                                 |    |     |                  |
|----------|-----|---|---------------------------------|----|-----|------------------|
| S27<br>7 | 18  | ("3580978"   "3744423"   "4190856"   "5306913"   "5319214"   "5568186"   "5600148"   "5883681"   "5949081"   "5956180"   "5973383"   "6210494"   "6297511"   "6316777"   "6751005"   "6778257"   "6906762"   "RE37146").PN. | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S27<br>6 | 94  | array and pixel\$1 and (filter adj cell\$1)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S27<br>5 | 9   | ("3746785" "4922333" "5103300" "5233416" "5369433" "5612736" "5642197" "6057909" "6437925").PN.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S27<br>4 | 2   | "4916528"   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S27<br>3 | 1   | ("5929432").PN.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S27<br>2 | 3   | ("6211521").URPN.   | USPAT                           | OR | OFF | 2006/11/14 14:13 |
| S27<br>1 | 3   | ("6211521").URPN.   | USPAT                           | OR | OFF | 2006/11/14 14:13 |
| S27<br>0 | 30  | pixel\$1 same (composite adj filter\$1)   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S26<br>9 | 63  | pixel same (first adj filter) same (second adj filter) and (a/d analog)   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S26<br>8 | 174 | pixel same (first adj filter) same (second adj filter)  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S26<br>7 | 11  | (color adj mixing) and fowler   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S26<br>6 | 0   | (color adj mixing) and "5461425"  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S26<br>5 | 3   | (color adj mixing) and "5965875"  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S26<br>4 | 0   | (color adj mixing) same "5965875"   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |

## EAST Search History

|          |     |   |                                 |    |     |                  |
|----------|-----|---|---------------------------------|----|-----|------------------|
| S26<br>3 | 66  | (color adj mixing) same pixel\$1 and (cyan same green same magenta) and digital   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S26<br>2 | 24  | (color adj mixing) and (digital adj pixel)  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S26<br>1 | 0   | (color adj mixing) same digital adj pixel   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S26<br>0 | 108 | (color adj mixing) same filter same pixel   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S25<br>9 | 0   | (color adj mixing) same filter and digital adj pixel  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S25<br>8 | 478 | (color adj mixing) same filter and pixel  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S25<br>7 | 4   | ("5705806"   "5734424"   "5754229"   "6005616").PN.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S25<br>6 | 27  | ("2738377"   "3604839"   "3969763"   "3971065"   "4067043"   "4404585"   "4415923"   "4605956"   "4670777"   "4745458"   "4786964"   "4851899"   "4967264"   "5084761"   "5442394"   "5512956"   "5548333"   "5631703"   "5748236"   "5751384"   "5754229"   "5767899"   "5798948"   "6005616"   "6208393"   "6504573").PN. | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S25<br>5 | 0   | ("6690422").URPN.   | USPAT                           | OR | OFF | 2006/11/14 14:13 |
| S25<br>4 | 11  | ("3971065"   "4011016"   "4309604"   "4613895"   "4651001"   "4677289"   "4772335"   "5397734"   "5502299"   "5668596"   "5739562").PN.   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:13 |
| S25<br>3 | 1   | "5965875".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S25<br>2 | 134 | "5965875"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |

## EAST Search History

|          |     |   |                                 |    |     |                  |
|----------|-----|---|---------------------------------|----|-----|------------------|
| S25<br>1 | 7   | "5998806"   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S25<br>0 | 138 | 348/270.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S24<br>9 | 27  | 348/268.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S24<br>8 | 0   | "3717724" and foveon  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S24<br>7 | 24  | inter\$1lac\$3 and (digital adj<br>pixel\$1) and magenta  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S24<br>6 | 287 | inter\$1lac\$3 and (digital adj<br>pixel\$1)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S24<br>5 | 3   | (S224 S225 S226 S227 S228 S229<br>S230) and inter\$1lac\$3 and<br>(digital adj pixel\$1)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S24<br>4 | 2   | (S224 S225 S226 S227 S228 S229<br>S230) and ((add adding adds<br>added)(sum sums summing<br>summed)) and inter\$1lac\$3 and<br>(digital adj pixel\$1) | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S24<br>3 | 21  | (S224 S225 S226 S227 S228 S229<br>S230) and ((add adding adds<br>added)(sum sums summing<br>summed)) and inter\$1lac\$3 and<br>cyan                   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S24<br>2 | 0   | (S224 S225 S226 S227 S228 S229<br>S230) and ((add adding adds<br>added)(sum sums summing<br>summed)) and inter\$1lac\$3 and<br>cmyg                   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S24<br>1 | 20  | (S224 S225 S226 S227 S228 S229<br>S230) and ((add adding adds<br>added)(sum sums summing<br>summed)) and inter\$1lac\$3 and<br>cyan and magenta       | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S24<br>0 | 58  | (S224 S225 S226 S227 S228 S229<br>S230) and ((add adding adds<br>added)(sum sums summing<br>summed)) and array and cyan and<br>magenta                | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |

## EAST Search History

|          |     |   |                           |    |     |                  |
|----------|-----|---|---------------------------|----|-----|------------------|
| S23<br>9 | 258 | (S224 S225 S226 S227 S228 S229 S230) and ((add adding adds added)(sum sums summing summed)) and array | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S23<br>8 | 462 | (S224 S225 S226 S227 S228 S229 S230) and ((add adding adds added)(sum sums summing summed))           | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S23<br>7 | 43  | pixel\$1 same transmissive adj filter\$1  | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S23<br>6 | 4   | ((ben benjamin) near2 olding).in. (Michael near2 frank).in.) and array and filter\$1                  | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S23<br>5 | 32  | ((ben benjamin) near2 olding).in. (Michael near2 frank).in.) and array                                | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S23<br>4 | 4   | ((ben benjamin) near2 olding).in. (Michael near2 frank).in.) and pixim.as.                            | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S23<br>3 | 0   | ((ben benjamin) near2 olding).in. and (Michael near2 frank).in.)                                      | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S23<br>2 | 814 | ((ben benjamin) near2 olding).in. (Michael near2 frank).in.   | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S23<br>1 | 0   | 10/058638   | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S23<br>0 | 309 | 348/272.ccls.   | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S22<br>9 | 21  | 348/271.ccls.   | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S22<br>8 | 138 | 348/270.ccls.   | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S22<br>7 | 50  | 348/269.ccls.   | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S22<br>6 | 27  | 348/268.ccls.   | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S22<br>5 | 246 | 348/218.1.ccls.   | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2006/11/14 14:13 |

## EAST Search History

|          |     |  |                                 |    |     |                  |
|----------|-----|--|---------------------------------|----|-----|------------------|
| S22<br>4 | 102 | 348/219.1.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S22<br>3 | 7   | (filter\$3 near2 (sum sums<br>summing)) and "348"/\$6.ccls. and<br>interlac\$4 and green and cyan          | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S22<br>2 | 120 | (filter\$3 near2 (sum sums<br>summing)) and "348"/\$6.ccls. and<br>interlac\$4                             | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S22<br>1 | 21  | (filter\$3 near2 (sum sums<br>summing)) and "348"/\$6.ccls. and<br>green and cyan                          | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S22<br>0 | 1   | (filter\$3 near2 (sum sums<br>summing)) and "348"/\$6.ccls. and<br>green and cyan and digital adj<br>pixel | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S21<br>9 | 416 | (filter\$3 near2 (sum sums<br>summing)) and "348"/\$6.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S21<br>8 | 1   | (optical adj (sum sums summing))<br>and "348"/\$6.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S21<br>7 | 90  | (optical adj (sum sums summing))   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S21<br>6 | 0   | (optical adj (sum sums summing))<br>and pixim.as.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S21<br>5 | 1   | "5461425".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S21<br>4 | 20  | 09/567638  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S21<br>3 | 90  | (optical adj (sum sums summing))   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S21<br>2 | 43  | pixel\$1 same transmissive adj<br>filter\$1  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S21<br>1 | 4   | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.) and<br>array and filter\$1                 | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S21<br>0 | 32  | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.) and<br>array                               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |

## EAST Search History

|          |      |  |                                 |    |     |                  |
|----------|------|--|---------------------------------|----|-----|------------------|
| S20<br>9 | 4    | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.) and<br>pixim.as. | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S20<br>8 | 0    | (((ben benjamin) near2 olding).in.<br>and (Michael near2 frank).in.)             | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S20<br>7 | 0    | 10/058638  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:13 |
| S40<br>7 | 1    | composite adj filter same cyan and<br>pixel\$1                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |
| S40<br>6 | 1    | "5461425".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |
| S40<br>5 | 8    | refract\$4 adj light same filters<br>same pixel\$1                               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |
| S40<br>4 | 7    | diffusion adj light same filters<br>same pixel\$1                                | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |
| S40<br>3 | 8    | "348"/\$6.ccls. and composite adj<br>filter same pixel\$1                        | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |
| S40<br>2 | 12   | composite adj filter same sum\$4<br>and pixel\$1                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |
| S40<br>1 | 64   | composite adj filter same sum\$4   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |
| S40<br>0 | 1087 | composite adj filter and sum\$4  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |
| S39<br>9 | 1536 | composite adj filter   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |
| S39<br>8 | 120  | (filter\$3 near2 (sum sums<br>summing)) and "348"/\$6.ccls. and<br>interlac\$4   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |
| S39<br>7 | 0    | 10/058638 and registration   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |
| S39<br>6 | 90   | (optical adj (sum sums summing))   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |

## EAST Search History

|          |     |   |                                 |    |     |                  |
|----------|-----|---|---------------------------------|----|-----|------------------|
| S39<br>5 | 478 | (color adj mixing) same filter and pixel                                  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/11/14 14:14 |
| S39<br>4 | 32  | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.) and array | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |
| S39<br>3 | 814 | ((ben benjamin) near2 olding).in.<br>(Michael near2 frank).in.)           | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |
| S39<br>2 | 38  | 348/274.ccis.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |
| S39<br>1 | 50  | 348/277.ccis.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |
| S39<br>0 | 362 | 348/273.ccis.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |
| S38<br>9 | 21  | 348/271.ccis.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |
| S38<br>8 | 309 | 348/272.ccis.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |
| S38<br>7 | 246 | 348/218.1.ccis.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/14 14:14 |
| S40<br>9 | 38  | 348/274.ccis.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/15 07:43 |
| S40<br>8 | 362 | 348/273.ccis.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/15 07:43 |
| S11<br>8 | 21  | 348/271.ccis.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/15 07:43 |
| S41<br>0 | 8   | ("4630106").URPN.   | USPAT                           | OR | OFF | 2006/11/15 08:49 |
| S41<br>1 | 8   | ("4630106").URPN.   | USPAT                           | OR | OFF | 2006/11/16 11:51 |